

Boring Designation CB-DUC04-27

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS			
1. PROJECT Duval County FL BEC Borrow Area B1				9. SIZE AND TYPE OF BIT See Remarks					
2. BORING DESIGNATION CB-DUC04-27		LOCATION COORDINATES X = 416,077 Y = 2,183,279		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27			
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibracore		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER			
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES 4		DISTURBED 0			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
6. THICKNESS OF OVERBURDEN N/A				15. DATE BORING 04-15-04		STARTED 04-15-04			
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -47.1 Ft.		17. TOTAL RECOVERY FOR BORING 99 %			
8. TOTAL DEPTH OF BORING 19.8 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-47.1	0.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, weak reaction with HCl, wet, N 7/ light gray (SP)	100			-47.1		
				100	1		Vibracore		
							-48.6		
							Vibracore		
							-49.6		
				100			Vibracore		
							-52.6		
				100	2		Vibracore		
							-53.6		
			At El. -55.1 Ft., strong reaction with HCl, wet, occasional layers of clay up to 1", N 7/ light gray	100			Vibracore		
-56.6	9.5		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, trace silt, weak reaction with HCl, wet, N 7/ light gray (SP-SM)	100	3		-57.1		
							Vibracore		
				100			-58.1		
							Vibracore		
-60.1	13.0		At El. -59.6 Ft., 2" clay lense, N 7/ light gray				-60.1		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, weak reaction with HCl, wet, 2" wood lense at 14.0', 10Y 4/1 dark greenish gray (SP)	100	4		-61.1		
-61.6	14.5			98			Vibracore		
			SILT, inorganic-L, low plasticity, very soft, weak						

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																	
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																	
Duval County FL BEC			State Plane, FLE (U.S. Ft.)		NAD27	MLLW																	
LOCATION COORDINATES			ELEVATION TOP OF BORING																				
X = 416,077 Y = 2,183,279			-47.1 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-66.8	19.7		reaction with HCl, wet, 10Y 4/1 dark greenish gray (ML) At El. -62.1 Ft., soft	98			Vibracore																
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.5/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>5.5/6.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>10.0/11.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>13.0/14.0</td> <td>SP*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>1 Specific Gravity</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP*	2	5.5/6.5	SP*	3	10.0/11.0	SP-SM*	4	13.0/14.0	SP*					
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